

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 2</div>	
2. AMENDMENT/MODIFICATION NO. 0008		3. EFFECTIVE DATE 30-May-2003		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) 0250570	
6. ISSUED BY USA ENGINEER DISTRICT, SEATTLE ATTN: CENWS-CT P.O. BOX 3755 SEATTLE WA 98124-3755		CODE DACA67		7. ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-weight: bold;">See Item 6</div>			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACA67-03-R-0210	
				X		9B. DATED (SEE ITEM 11) 22-Apr-2003	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>0</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) BATTLE SIMULATION CENTER, FORT LEWIS WA - SEE CONTINUATION							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 30-May-2003	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE


SUMMARY OF CHANGES

- A. This amendment provides for the following revisions to the solicitation.
 - 1. The change consists of adding drawing revisions by notation to the Special Clauses Section 00800.
- B. The revised attached pages supersede pages of the same number and should be inserted in numerical sequence. All changes are generally identified, for your convenience, either by strikeout for deletions, and underlining of text for additions or single dark line in the margin. All portions of the revised or new pages shall apply to this contract whether or not changes have been indicated.
- C. The time and date for receipt of proposals remain the same at 2: p.m., local time, 02 June 2003.
- D. Offerors must acknowledge receipt of this amendment by number and date on the Standard Form 1442 Back (page 00010-2) n Block 19 or by telegram.

Enclosures:

SF1442 Front and Back

Rev. 00800 Drawing Revisions by Notation

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NUMBER DACA67-03-R-0210	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 22 April 2003	PAGE OF PAGES 1
IMPORTANT - The "offer" section on the reverse must be fully completed by the offeror.					
4. CONTRACT NUMBER		5. REQUISITION/PURCHASE REQUEST NUMBER W68MD9-3027-6329		6. PROJECT NUMBER	
7. ISSUED BY Seattle District, Corps of Engineers ATTN: CENWS-CT-CB-MU PO Box 3755 Seattle, WA 98124-3755		CODE W68MD9	8. ADDRESS OFFER TO Seattle District, Corps of Engineers PO Box 3755 ATTN: CENWS-CT-CB-MU - Mitton Seattle, WA 98124-3755 HAND CARRY: Seattle District Corps of Engineers Contracting Division 4735 East Marginal Way South Seattle, WA 98134-2329		
9. FOR INFORMATION CALL 		A. NAME See Information Page inside Front Cover		B. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) See Information Page inside Front Cover	

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date):

Furnish all labor, materials and equipment and perform all work for Battle Simulation Center, Fort Lewis, WA in accordance with the attached Contract Clauses, Special Clauses, Technical Specifications and Drawings.

NOTE: Award will be made pursuant to the Small Business Competitive Demonstration Program

11. The Contractor shall begin performance within 10 calendar days and complete it within _____ calendar days after receiving

☐ award, ☒ notice to proceed. This performance period is ☒ mandatory, ☐ negotiable. (See Paragraph SC-1, 00800 .)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE PAYMENT BONDS?
(If "YES," indicate within how many calendar days after award in Item 12B.)

☒ YES ☐ NO

12B. CALENDAR DAYS

10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and 0 copies to perform the work required are due at the place specified in Item 8 by 2:00 p.m. (hour) local time 02 June 2003 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☒ is, ☐ is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 90 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

15. TELEPHONE NUMBER (Include area code)

Fax No.:

16. REMITTANCE ADDRESS (Include only if different than Item 14)

Tax ID No:

DUNS No:

eMail:

CODE

FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal or greater than the minimum requirement stated in 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS



See Pages 00010-5 thru 00010-8

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGEMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.

DATE

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

20B. SIGNATURE

20C. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED

22. AMOUNT

23. ACCOUNTING AND APPROPRIATION DATA

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)

ITEM

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) ()☐ 41 U.S.C. 253(c) ()

26. ADMINISTERED BY

CODE

27. PAYMENT WILL BE MADE BY

United States Army Corps of Engineers Seattle District
Northwest Area Office
PO Box 92146
Tillicum, WA 98492-0146

US Army Corps of Engineers Finance Center
CEFC-AO-P, 5722 Integrity Drive
Millington, TN 38054-5005

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this

document and return _____ copies to the issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☐ 29. AWARD. (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31A. NAME OF CONTRACTING OFFICER (Type or print)

30B. SIGNATURE

30C. DATE

31B. UNITED STATES OF AMERICA

31C. AWARD DATE

BY

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SC-22.	EPA ENERGY STAR
SC-23	RECOVERED MATERIALS

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SECTION 00800

SPECIAL CLAUSES - CONSTRUCTION

SC-1. COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984) (FAR 52.211-10).

The Contractor will be required to (a) commence work under this Contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) to prosecute the work diligently, and (c) to complete the entire work ready for use no later than 570 calendar days after date of receipt by Contractor of notice to proceed. The time stated for completion shall include final cleanup of the premises.

SC-1.1 OPTION FOR INCREASED QUANTITY

a. The Government may increase the quantity of work awarded by exercising one or more of the Optional Bid Items 0007 through 0015 at any time, or not at all, but no later than 90 calendar days after receipt by Contractor of notice to proceed. Notice to proceed on work Item(s) added by exercise of the option(s) will be given upon execution of consent of surety.

b. The parties hereto further agree that any option herein shall be considered to have been exercised at the time the Government deposits written notification to the Contractor in the mails.

c. The time allowed for completion of any optional items awarded under this contract will be the same as that for the base item(s), and will be measured from the date of receipt of the notice to proceed for the base item(s).

SC-1.2 Exception to Completion Period(s): In case the Contracting Officer determines that completion of seeding, sodding, and planting, and establishment of same is not feasible within the completion period(s) stated above, the Contractor shall accomplish such work in the first planting period following the contract completion period and shall complete such work as specified, unless other planting periods are directed or approved by the Contracting Officer.

SC-2. LIQUIDATED DAMAGES - CONSTRUCTION (SEP 2000) (FAR 52.211-12)

(a) If the Contractor fails to complete the work within the time specified in the Contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$1,742.00 for each day of delay.

(b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the Government in completing the work.

(c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

(d) Exception to Liquidated Damage: In case the Contracting Officer determines that completion of work stated above in paragraph Exception to Completion Period(s) is not feasible

during the completion period(s) stated in SC-1, such work will be exempted from liquidated damages.

SC-3 AND SC-4 DELETED.

SC-5. INSURANCE - WORK ON A GOVERNMENT INSTALLATION (JAN 1997) (FAR 52.228-5)

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance period of this Contract at least the kinds and minimum amounts of insurance required in the Insurance Liability Schedule or elsewhere in the Contract.

(b) Before commencing work under this Contract, the Contractor shall certify to the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective:

(1) for such period as the laws of the State in which this Contract is to be performed prescribe; or

(2) until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this Contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the Contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

(d) Insurance Liability Schedule (FAR 28.307-2)

(1) Workers' compensation and employer's liability. Contractors are required to comply with applicable Federal and State workers' compensation and occupational disease statutes. If occupational diseases are not compensable under those statutes, they shall be covered under the employer's liability section of the insurance policy, except when Contract operations are so commingled with a Contractor's commercial operation that it would not be practical to require this coverage. Employer's liability coverage of at least \$100,000 shall be required, except in states with exclusive or monopolistic funds that do not permit workers' compensation to be written by private carriers.

(2) General Liability.

(a) The Contracting Officer shall require bodily injury liability insurance coverage written on the comprehensive form of policy of at least \$500,000 per occurrence.

(b) Property damage liability insurance shall be required only in special circumstances as determined by the agency.

(3) Automobile liability. The Contracting Officer shall require automobile liability insurance written on the comprehensive form of policy. The policy shall provide for bodily injury

and property damage liability covering the operation of all automobiles used in connection with performing the Contract. Policies covering automobiles operated in the United States shall provide coverage of at least \$200,000 per person and \$500,000 per occurrence for bodily injury and \$20,000 per occurrence for property damage. The amount of liability coverage on other policies shall be commensurate with any legal requirements of the locality and sufficient to meet normal and customary claims.

(4) Aircraft public and passenger liability. When aircraft are used in connection with performing the Contract, the Contracting Officer shall require aircraft public and passenger liability insurance. Coverage shall be at least \$200,000 per person and \$500,000 per occurrence for bodily injury, other than passenger liability, and \$200,000 per occurrence for property damage. Coverage for passenger liability bodily injury shall be at least \$200,000 multiplied by the number of seats or passengers, whichever is greater.

(5) Environmental Liability. If this contract includes the transport, treatment, storage, or disposal of hazardous material waste the following coverage is required.

The Contractor shall ensure the transporter and disposal facility have liability insurance in effect for claims arising out of the death or bodily injury and property damage from hazardous material/waste transport, treatment, storage and disposal, including vehicle liability and legal defense costs in the amount of \$1,000,000.00 as evidenced by a certificate of insurance for General, Automobile, and Environmental Liability Coverage. Proof of this insurance shall be provided to the Contracting Officer.

SC-6 DELETED.

SC-7. PERFORMANCE OF WORK BY THE CONTRACTOR (APR 1984) (FAR 52.236-1): The Contractor shall perform on the site, and with its own organization, work equivalent to at least fifteen percent (15%) of the total amount of work to be performed under the Contract. The percentage may be reduced by a supplemental agreement to this Contract if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.

SC-8. PHYSICAL DATA (APR 1984) (FAR 52.236-4): Data and information furnished or referred to below is for the Contractor's information. The Government will not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) Physical Conditions: The indications of physical conditions on the drawings and in the specifications are the result of site investigations by test holes shown on the drawings.

(b) Weather Conditions: Each bidder shall be satisfied before submitting his bid as to the hazards likely to arise from weather conditions. Complete weather records and reports may be obtained from any National Weather Service Office.

(c) Transportation Facilities: Each bidder, before submitting his bid, shall make an investigation of the conditions of existing public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress at the jobsite. The unavailability of transportation facilities or limitations thereon shall not become a basis for claims for damages or extension of time for completion of the work.

SC-9 DELETED.

SC-10. LAYOUT OF WORK (APR 1984) (FAR 52.236-17): The Contractor shall lay out its work from Government-established base lines and bench marks indicated on the drawings, and shall be responsible for all measurements in connection with the layout. The Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out any part of the work. The Contractor shall be responsible for executing the work to the lines and grades that may be established or indicated by the Contracting Officer. The Contractor shall also be responsible for maintaining and preserving all stakes and other marks established by the Contracting Officer until authorized to remove them. If such marks are destroyed by the Contractor or through its negligence before their removal is authorized, the Contracting Officer may replace them and deduct the expense of the replacement from any amounts due, or to become due, to the Contractor.

SC-11. RESERVED

SC-12 AND SC-13 DELETED.

SC-14. EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAY 1999)-
(EFARS 52.231-5000)

(a) This clause does not apply to terminations. See 52.249-5000, Basis for Settlement of Proposals and FAR Part 49.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule, Region VIII. Working conditions shall be considered to be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

(e) Copies of EP1110-1-8 "Construction Equipment Ownership and Operating Expense Schedule" Volumes 1 through 12 are available in Portable Document Format (PDF) and can be viewed or downloaded at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm>. A CD-ROM containing (Volumes 1-12) is available through either the Superintendent of Documents or Government bookstores. For additional information telephone 202-512-2250, or access on the Internet at http://www.access.gpo.gov/su_docs.

SC-15. PAYMENT FOR MATERIALS DELIVERED OFF-SITE (MAY 1999)-(EFARS 52.232-5000)

(a) Pursuant to FAR clause 52.232-5, Payments Under Fixed Priced Construction Contracts, materials delivered to the contractor at locations other than the site of the work may be taken into consideration in making payments if included in payment estimates and if all the conditions of the General Provisions are fulfilled. Payment for items delivered to locations other than the work site will be limited to: (1) materials required by the technical provisions; or (2) materials that have been fabricated to the point where they are identifiable to an item of work required under this contract.

(b) Such payment will be made only after receipt of paid or receipted invoices or invoices with canceled check showing title to the items in the prime contractor and including the value of material and labor incorporated into the item. In addition to petroleum products, payment for materials delivered off-site is limited to the following items: Any other construction material stored offsite may be considered in determining the amount of a progress payment.

SC-16 AND SC-17 DELETED

SC-18. CONTRACT DRAWINGS AND SPECIFICATIONS (AUG 2000)(DOD FAR SUPP 252.236-7001)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer.

(b) The Contractor shall--

- (1) Check all drawings furnished immediately upon receipt;
- (2) Compare all drawings and verify the figures before laying out the work;
- (3) Promptly notify the Contracting Officer of any discrepancies;
- (4) Be responsible for any errors which might have been avoided by complying with this paragraph (b); and
- (5) Reproduce and print contract drawings and specifications as needed.

(c) In general—

- (1) Large scale drawings shall govern small scale drawings; and

(2) The Contractor shall follow figures marked on drawings in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work which are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings identified in the index of drawings attached at the end of the Special Clauses.

SC-19 THROUGH SC-21 DELETED.

SC-22. EPA ENERGY STAR: The Government requires that certain equipment be Energy Star compliant. Initially, the sole Energy Star requirement shall be the self certification by the bidder that the specified equipment is Energy Star compliant. Within 3 months of the availability of an EPA sanctioned test for Energy Star compliance, the Contractor shall submit all equipment upgrades and additions for testing and provide proof of compliance to the Government upon completion of testing. Testing shall be at the Contractor's expense.

SC-23. RECOVERED MATERIALS: The Corps of Engineers encourages all bidders to utilize recovered materials to the maximum extent practicable. The attached APPENDIX R contains procurement guidelines for products containing recovered materials.

APPENDIX R

PART 247 - COMPREHENSIVE PROCUREMENT GUIDELINE FOR PRODUCTS CONTAINING RECOVERED MATERIALS

40 CFR Ch. 1 (9-1-99 Edition)

Subpart B-Item Designations

§ 247.10 Paper and paper products.

Paper and paper products, excluding building and construction paper grades.

§ 247.11 Vehicular products.

- (a) Lubricating oils containing re-refined oil, including engine lubricating oils, hydraulic fluids, and gear oils, excluding marine and aviation oils.
- (b) Tires, excluding airplane tire
- (e) Reclaimed engine coolants, excluding coolants used in non-vehicular applications.

247.12 Construction products.

- (a) Building insulation product including the following items:
 - (1) Loose-fill insulation, including but not limited to cellulose fiber, mineral fibers (fiberglass and rock vermiculite, and perlite;
 - (2) Blanket and batt insulation, including but not limited to mineral fibers (fiberglass and rock wool).
 - (3) Board (sheathing, roof decking wall panel) insulation, including but not limited to structural fiberboard and laminated paperboard products perlite composite board, polyurethane, polyisocyanurate, polystyrene, phenolics, and composites; and
 - (4) Spray-in-place insulation, including but not limited to foam-in-place polyurethane and polyisocyanurate and spray-on cellulose.
- (b) Structural fiberboard and laminated paperboard products for applications other than building insulation, including building board, sheathing shingle backer, sound deadening board, roof insulating board, insulating wallboard, acoustical and non-acoustical ceiling tile, acoustical and non-acoustical lay-in panels, floor underlayments, and roof overlay (cover board).
- (c) Cement and concrete, including concrete products such as pipe and block, containing coal fly as ground granulated blast furnace (GGBF) slag.
- (d) Carpet made of polyester fiber use in low- and medium-wear applications.
- (e) Floor tiles and patio block containing recovered rubber or plastic.
- (f) Shower and restroom dividers/partitions containing recovered plastic or steel.
- (g) (1) Consolidated latex paint used for covering graffiti; and
- (2) Reprocessed latex paint used for interior and exterior architectural applications such as wallboard, ceilings, and trim; gutter boards; and concrete, stucco, masonry, wood and metal surfaces.

§247.13 Transportation products.

- (a) Traffic barricades and traffic cones used in controlling or restricting vehicular traffic.
- (b) Parking stops made from concrete or containing recovered plastic or rubber.
- (c) Channelizers containing recovered plastic or rubber.
- (d) Delineators containing recovered plastic, rubber, or steel.
- (e) Flexible delineators containing recovered plastic.

§ 247.14 Park and recreation products

- (a) Playground surfaces and running tracks containing recovered rubber or plastic.
- (b) Plastic fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

247.15 Landscaping products.

- (a) Hydraulic mulch products containing recovered paper or recovered wood used for hydroseeding and as an over-spray for straw mulch in landscaping, erosion control, and soil reclamation.
- (b) Compost made from yard trimmings, leaves, and/or grass clippings for use in landscaping, seeding of grass or other plants on roadsides and embankments, as a nutritious mulch under trees and shrubs, and in erosion control and soil reclamation.
- (c) Garden and soaker hoses containing recovered plastic or rubber.
- (d) Lawn and garden edging containing recovered plastic or rubber.

§ 247.16 Non-paper office product.

- (a) Office recycling containers and office waste receptacles.
- (b) Plastic desktop accessories.
- (c) Toner cartridges.
- (d) Binders.
- (e) Plastic trash bags.
- (f) Printer ribbons.
- (g) Plastic envelopes.

§ 247.17 Miscellaneous products.

Pallets containing recovered wood, plastic, or paperboard.

INDEX OF DRAWINGS

BATTLE SIMULATION CENTER
FORT LEWIS, WASHINGTON
Project Number: 25057
22s/191-90-12

SHEET NUMBER	PLATE NUMBER	TITLE	REVISION NUMBER	DATE
GENERAL				
1	G-100	Cover		03APR11
2	G-101	Drawing Index/Maps	3	03MAY19
3	G-102	Drawing Index/ Maps	2	03MAY16
4	G-103	Abbreviations		03APR11
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143	A-504	Window Details		03APR11
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170	I-103	Furniture Plan NE Quadrant		03APR11
171	I-104	Furniture Plan SE Quadrant		03APR11
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176	I-115	Floor Finish Plan SW Quadrant		03APR11
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178	M-101	HVAC Roof Plan		03APR11
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180	M-103	HVAC Plan Northeast Quadrant		03APR11
181	M-104	HVAC Plan Southeast Quadrant		03APR11
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183	M-106	HVAC Plan Guardhouse		03APR11
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228	E-111	Typical Conduit Plan		03APR11
229	E-112	Lightning Protection System Plan		03APR11
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243	AV103	NE Quadrant AV Infrastructure		03APR11
244	AV104	SW Quadrant AV Infrastructure		03APR11
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246	AV411	AV Room Details NE Quadrant		03APR11
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248	AV431	AV Room Details 122C-F		03APR11
249	AV432	AV Room Details 122A-B, 122G-H		03APR11
250	AV433	AV Room Details 123A-B, 126A-B		03APR11
251	AV434	AV Room Details 124A-D, 125A-D		03APR11
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253	AV502	Installation Details Audiovisual		03APR11
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255	T-001	Telecommunications Exterior Conduit and T.I.P. Plan		03APR11
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257	T-100A	Telecommunications Main Floor Plan Overhead Cable Tray		03APR11
258	T-100B	Telecommunications Main Floor Plan Underfloor Cable Tray		03APR11
259	T-101	Mezzanine Floor Plan		03APR11
260	T-102	Telecommunications NW Quadrant	2	03MAY16
261	T-102A	Telecommunications NW Quadrant Overhead Cable Tray		03APR11
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264	T-103A	Telecommunications NE Quadrant Overhead Cable Tray		03APR11
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266	T-104	Telecommunications SE Quadrant		03APR11
267	T-104A	Telecommunications SE Quadrant Overhead Cable Tray		03APR11
268	T-104B	Telecommunications SE Quadrant Underfloor Cable Tray		03APR11
269	T-105	Telecommunications SW Quadrant		03APR11
270	T-105A	Telecommunications SW Quadrant Overhead Cable Tray		03APR11
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272	T-106	Telecommunications Mezzanine Plan East		03APR11
273	T-107	Telecommunications Mezzanine Plan West		03APR11
274	T-108	Telecommunications Guard House		03APR11
274A	T-200	Telecommunications Site Plan Existing Duct Bank Route		03APR30
274B	T-201	Telecommunications Site Plan New Duct Bank Route		03APR30
274C	T-202	Telecommunications Site Plan New Duct Bank Route		03APR30
274D	T-203	Telecommunications Site Plan Existing Duct Bank Route		03APR30
274E	T-204	Telecommunications Site Plan New Duct Bank Route		03APR30

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274H	T-207	Telecommunications OSP Fiber Backbone Cabling Diagram		03APR30
274 I	T-300	Telecommunications MSTF Hut & Range Control Floor Plans		03APR30
274J	T-400	Telecommunications Security Plan	2	03MAY16
275	T-500	Telecommunications NOC Overview Room Detail		03APR11
276	T-501	Telecommunications DOIM/DSN/NIPR Room Detail		03APR11
277	T-501A	Telecommunications DOIM/DSN/NIPR Rack Detail		03APR11
278	T-501B	Telecommunications DOIM HOMACO Frame Details		03APR11
279	T-502	Telecommunications LH/Reach Room Detail		03APR11
280	T-503	Telecommunications SIPR RPPM Detail		03APR11
281	T-504	Telecommunications SIM/STIM Room Detail		03APR11
282	T-505	Telecommunications MSE Room Detail		03APR11
283	T-505A	Telecommunications MSE/FM Rack Detail		03APR11
284	T-506	Telecommunications C2 WAN Room All Details		03APR11
285	T-507	Telecommunications BSC/COMMO Room 1044 Details		03APR11
286	T-508	Telecommunications BSC/COMMO Room 104d Details		03APR11
287	T-509	Telecommunications BSC/COMMO Room 109b Details		03APR11
288	T-510	Telecommunications BSC/COMMO Room 107b Details		03APR11
289	T-511	Telecommunications BSC/COMMO SCIF Room 105d Details		03APR11
290	T-512	Telecommunications BSC/COMMO Room 118c Details		03APR11
291	T-513	Telecommunications BSC/COMMO Room 119a Details		03APR11
292	T-514	Telecommunications BSC/COMMO Room 127a Details		03APR11
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294	T-600	Telecommunications NOC Inter-Connectivity Diagram	1	03APR30
295	T-601	Telecommunications DSN Conduit & Cabling Riser Diagram	1	03APR30
296	T-601A	Telecommunications DSN Conduit Riser Diagram	1	03APR30
297	T-602	Telecommunications MSE Conduit & Cabling Riser Diagram	1	03APR30
298	T-603	Telecommunications SIPRNET Conduit & Cable Riser Diagram	1	03APR30
299	T-603A	Telecommunications SIPRNET Conduit Riser Diagram	1	03APR30
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301	T-605	Telecommunications C2 WAN Cabling Riser Diagram	1	03APR30
302	T-605A	Telecommunications C2 WAN Conduit Riser Diagram	1	03APR30
303	T-606	Telecommunications SIM/STIM Conduit & Cabling Riser Diagram	1	03APR30
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307	T-702	Details		03APR11
308	T-800	Telecommunications BSC Conduit Run Schedule		03APR11

DRAWING REVISIONS BY NOTATION

Drawing Index. Sheet 2, Plate G-101

- (a) Change drawing title to "Drawing Index/Maps" for Sheet 2, Plate G-101
- (b) Change drawing title to "Drawing Index/Maps" for Sheet 3, Plate G-102

Foundation/Flr Plan NE Quadrant, Sheet 54, Plate S-103

- (a) Delete footing designation "F6" located near Grid J-4.

Section "A", Sheet 66, Plate S-301

Revise footing thickness shown in Section A from 1'-0" [305] to 1'-3" [381] to match thickness shown in Concrete Footing Schedule on Plate S-300.

Floor Plan Northeast Quadrant, Sheet 104, Plate A-103

Add wall type "10C" between rooms "Mechanical 115A" and "Electrical 115B".

Window Types Window Schedules, Sheet 158, Plate A-603

Note: The following windows repeat themselves in the schedule, and need only appear once.

Room Finish Schedule, Sheet 161, Plate A-606

Room 104A, Ceiling Assembly should be "O.T.S", in lieu of "CA-3"

Civil Layout Plan, Sheet 19, Plate C-101

- (a) Add the following to the plan of this Sheet:

Expand the amount of the concrete pad at the northeast side of the building, as shown on the revised detail of Plate S-403. (For the diesel engine-generator.)

Composite Foundation/Floor Plan, Sheet 51, Plate S-100

- (a) For modifications (not shown) to electrical transformer and generator enclosure located near Grid H-3.1, see revised plan on Sheet 75, Plate S-403.

- (b) Revise diagonal screened patterning lines located on Drawing S-100 between approximate Grids B.2-D/4-5 from “dashed” to “solid” to match and reflect the “6-inch [152] raised floor system” patterning shown in the sheet Legend. NOTE: Patterning in this area to match the floor patterning shown in the SIM BAY’s.

Foundation/Flr Plan NE Quadrant, Sheet 54, Plate S-103

- (a) Revise note callout located near Grid H.7-3 to read “Elec Transformer & Generator Enclosure, see Sheet S-403” to reflect addition of electrical generator equipment; for enclosure modifications not shown, see revised plan on Sheet 75, Plate S-403.

Elec Transformer & Generator Enclosure Plan and Section, Sheet 75, Plate S-403

- (a) Revised overall sheet title to read “Elec Transformer & Generator Enclosure Plan and Section” to reflect addition of electrical generator equipment.

Elec Transformer & Generator Enclosure Plan and Section, Sheet 75, Plate S-403

- (a) Modified and revised PLAN to accommodate new electrical generator equipment. Modifications included eastward extension of thickened concrete slab-on-grade, extension of enclosure wall system (CMU wall with exterior brick veneer), addition of Notes 5 & 6, and modification of the title to reflect the electrical generator equipment addition.
- (b) See attached sheet SD-1 (Elec Transformer & Generator Enclosure Plan, Plate S-403).

Elec Transformer & Generator Enclosure Plan and Section, Section A, Sheet 75, Plate S-403

- (a) Modified slab thickness callout to reflect increased thickness at slab extension required for new electrical generator equipment.
- (b) See attached sheet SD-2 (Section A, Plate S-403).

Floor Plan Southwest Quadrant, Sheet 106, Plate A-105

- (a) Room 118B, Add wall type “11A” to north and east walls.
- (b) Room 119B, Add wall type “11A” to north and west walls.

Room Finish Schedule, Sheet 161, Plate A-606

- (a) Delete “WM-3 at ext. entry” from the remarks column at Rooms 105A, 115A, 115B, 116B and 116C.

HVAC and Plumbing Schedules, Sheet 191, Plate M-602

- (a) AIR HANDLING UNIT SCHEDULE

For AHU-3 Supply Fan ESP IN WG shall be revised to 1.75"

(b) AIR HANDLING UNIT SCHEDULE

Revise NOTE 2 to read as follows: Provide for single point electrical connection including transformers, breakers for controls, lights, etc. All supply and return fans shall be furnished with a factory mounted and wired VFD except AHU-2. AHU-2 shall only have a VFD associated with the return fan.

HVAC Control Diagram, Sheet 193, Plate M-604

- (a) AHU-1, 3, 4, 5 shall have a return duct CO2 sensor. Sensor to be located in an accessible location.
- (b) AHU-2 shall have a wall mounted CO2 sensor. Locate sensor near thermostat.
- (c) Provide a CO2 sensor to read the CO2 level of the outdoor air in each air handler. Locate sensors in the outside air plenum of the air handler. Install so the sensor is reading only the outside air stream.
- (d) Sequence of operation for CO2 sensor:
CO2 sensors for inside the building shall compare the CO2 levels against the outside air CO2 sensors and shall maintain the inside air CO2 levels to not greater than 530 PPM greater than the CO2 levels of the outside air. CO2 sensors shall override mixed air sensors/outside air dampers to not exceed the maximum indoor CO2 levels. Outside air dampers shall modulate from full open to full closed. Dampers shall maintain minimum outside air position as required maintain building pressure.

Piping Plan Northwest Quadrant, Sheet 201, Plate P-106

- (a) There is a discrepancy between the location of PF-6 on the Plumbing Drawing and the Architectural Drawings. Refer to the sheet A-102 for the actual location of the sink. The sink is actually located approximately 6' to the west of the location show on the mechanical drawings. Adjust the piping to match the actual location of the sink. PF-6 is a Kitchen Sink

Electrical General Notes, Sheet 215, Plate E-001

- (a) Add the following to the end of Telecommunication Requirements box of this Sheet:

Contact information for Spider Manufacturing:

Telephone: (250) 765-2616

Fax: (250) 765-2614

website address: www.spidermfg.com

mailing address: #5-364 Lougheed Rd., Kelowna, BC, Canada V1X 7R8

Electrical General Notes and Luminaire Schedule, Sheet 215, Plate E-001

- (a) Clarification: Fixture type S4 referenced on Luminaire Schedule shall be fixture type B4.

(b) Clarification: Fixture type C2 is not used on this project.

Electrical Area Plan, Sheet 217, Plate E-100

(a) Replace the last two lines of Note 1 of this Sheet with the following:

“...data cables provided by Communications Subcontractor; cable TV – coaxial (Commcast) cable provided by vendor through contract with the General Contractor.”

(b) Replace the last sentence of Note 15 of this Sheet with the following:

“Remove cable at a minimum to the point of pole (S3)36, as shown on the Drawing; the cut end of any remaining portion of abandoned cable shall be encapsulated and sealed to achieve a permanent watertight condition. All lead-sheath cable which is removed shall be disposed of in accordance with Section 02220 DEMOLITION. The cable shall be replaced with a new cable, as shown on the T-series (Telecommunications) drawings/addendum.”

Electrical Site Plan, Sheet 218, Plate E-101

(a) Add the following to the plan of this Sheet:

Locate the diesel engine-generator at the east end of the unit substation (Note 3). The expanded pad is shown on the revised detail of Plate S-403.

Lighting Plan Northwest Quadrant, Sheet 219, Plate E-102

(a) In Note 8, replace “Type D2” with “Type D6”.

(b) Clarification: All Type D6 fixtures shall be a dimming type.

Electrical Room and Substation Plan and Details, Sheet 231, Plate E-400

(a) Add the following to Detail 3 of this Sheet:

Add (2) additional ground rods beyond the east end of the expanded pad / enclosure (to accommodate the engine-generator, as shown on the revised detail of Plate S-403) and connect to the ground ring with #3/0 bare copper ground conductor. Provide (2) connections from the buried ground conductor to the engine-generator frame and ground bus, in accordance with the manufacturer's instructions.

Distribution Panel Schedules, Sheet 239, Plate E-603

(a) Add the following to the schedule for Panel SNK:

Add a 3-pole, 60A circuit breaker at pole positions 37, 39, 41 for the generator panel;
3000 va load on each of the phases.

DRAWING REVISIONS BY NOTATION AMENDMENT R0007

Irrigation Plan, Sheet 44, Plate L-101

(a) Delete "and in Section 02811, "Landscape Irrigation" from the last line of the option item description

Planting Plan, Sheet 45, Plate L-102

(a) Delete "and in Section 02930, "Exterior Plants" from the last line of the option item description

Roof Framing Plan – NW Quadrant, Sheet 57, Plate S-106

Add Plan note "8" as follows:

(b) Provide elevated structural platform for suspended electrical transformers located just north of Grid 5 near Grid C (typ of 3 places total) as follows:

- A. Platform system shall be able to support self weight plus 1000 lbs equipment dead load for each electrical transformer unit (TXPCP4, TXPCP5, and TXNA units; 3 total).
- B. Platform shall consist of 36" x 36" steel frame system with 3/16-inch steel plate cover welded to each steel frame support member. Unless otherwise noted, locate bottom of platform 2'-0" above finish ceiling; coord with arch, mech, and elec.
- C. Platforms shall be located as required in plan view (near location shown on electrical plans - see Drawing E-107) to align with roof joist panel point layout, coord with joist manufacturer.
- D. Steel frame system shall consist of C4x5.4 perimeter support members and (2) C4x5.4 interior support members located directly under each transformer equipment support; channel support members shall have welded (3/16-inch fillet all-around) end connections.
- E. Platform shall be suspended from roof joist system using (4) 3/8-inch diameter threaded rods (typ 1 per corner; 4 per unit) with double nut connection at top and bottom connections. Threaded rods shall be connected to channel platform support frame at bottom.
- F. Threaded rod top connection shall be connected to Unistrut P1000 structural support system (or approved equal) supported on roof joist bottom chords

and located adjacent to joist bottom chord panel points where possible.
Provide joist stiffeners as reqd, see Detail 5/S-705.

- G. Provide diagonal lateral bracing support of suspended platforms along each edge of platform and in both directions (total of 8 braces per platform). Bracing shall consist of one or more of the following: (1) hanger wire per Spec Section 09510 ACOUSTICAL CEILINGS, aircraft cable (1/8" dia minimum) with turnbuckle system, Unistrut support system, or other approved system. Each lateral brace support shall be capable of supporting a minimum of 200 lbs tension force. Lateral braces shall be connected to roof joist top chord members where possible. Provide additional joist cross brace bridging at locations where lateral brace system connects to joist bottom chord members.
- H. Transformer equipment shall be connected to platform steel channel with 5/8-inch diameter bolts (minimum one per corner); coord size and location with equipment manufacturer.
- I. Contractor shall be responsible to coordinate final electrical transformer equipment support dead load reactions and locations with roof joist manufacturer prior to design and fabrication of roof joists.

Exterior Details, Sheet 145, Plate A-505

- (a) Detail 10/A-506. Add notes pointing to infill wall at WF rail. "20 ga, 2 1/2 inch studs at 16" o.c., (1) layer 5/8" glass-matt faced gypsum panel"

Exterior Details, Sheet 145, Plate A-506

- (a) Detail 3/A-506, Delete note that reads "2 1/2" [64] Metal Stud Framing".

Comm Connection at Building 2003, Sheet 168a, Plate A-704

- (a) Add a general note that all work on this sheet is part of Option Item No. 0013.

Furniture Floor Plan Northwest Quadrant, Sheet 169, Plate I-102

- (c) Revise General Note 2 to read as follows:
"See Specification Section 12705 for typical systems furniture layouts and components list"

Furniture Floor Plan Northeast Quadrant, Sheet 170, Plate I-103

- (a) Revise General Note 2 to read as follows:
"See Specification Section 12705 for typical systems furniture layouts and components list"

Furniture Floor Plan Southeast Quadrant, Sheet 171, Plate I-104

- (a) Revise General Note 2 to read as follows:
"See Specification Section 12705 for typical systems furniture layouts and components list"

Furniture Floor Plan Southwest Quadrant, Sheet 172, Plate I-105

- (a) Revise General Note 2 to read as follows:
"See Specification Section 12705 for typical systems furniture layouts and components list"

HVAC Plan – SE Quadrant, Sheet 181, Plate M-104

On Sheet M-04 at approximately grid 9.3/E.9 Key Note #6 points to a 18" diameter duct. Key note #6 does not apply to this particular piece of ductwork. Delete this note reference to the 18" diameter duct.

Telecommunications OSP Copper Backbone Cabling Diagram, Sheet 274G, Plate T-206

- (a) Copper cable routed between V#12 and V#16 shall be changed to PE-89 300 pair from 700 pair as currently shown on drawing.

Details, Sheet 306, Plate T-701

- (a) Add general note that states; "MSE and FM outlets use Category 6 cable. FM outlets have one set of binding posts and MSE outlets have two sets of binding posts required. Each FM and MSE outlet gets (1) Cat 6 cable pulled to it. A typical Cruz box will require (6) Cat 6 cables for the FM and MSE outlets since there are (3) FM and (3) MSE outlets. In the Commo Rooms these Cat 6 cables will terminate on the 66 wall field for MSE/FM. Coordinate exact pair termination with owner."

Electrical General Notes and Luminaire Schedule, Sheet 215, Plate E-001

- (b) Clarification: Fixture type S4 referenced on Luminaire Schedule shall be fixture type B4.
(c) Clarification: Fixture type C2 is not used on this project.

Lighting Plan Northwest Quadrant, Sheet 219, Plate E-102

- (c) In Note 8, replace "Type D2" with "Type D6".
(d) Clarification: All Type D6 fixtures shall be a dimming type.

Electrical Room and Substation Plan and Details, Sheet 231, Plate E-400

- (a) Detail 3/E-400, Electrical Room and Substation Plan - TXPCP9 should be located in the transformer rack, not TXPCP4, as this was mislabeled.
(b) Locations for TXPCP4 and TXPCP5 are shown on Drawing E-107.
(c) Mounting for TXPCP4, TXPCP5, and TXNA on platforms from the roof structure is addressed in this Amendment 0007, in association with the structural drawings / package.

Foundation/FIr Plan NE Quadrant, Sheet 54, Plate S-103

- (a) Delete footing designation "F6" located near Grid J-4.

Section "A", Sheet 66, Plate S-301

- (a) Revise footing thickness shown in Section A from 1'-0" [305] to 1'-3" [381] to match thickness shown in Concrete Footing Schedule on Plate S-300.

DRAWING REVISIONS BY NOTATION IN AMENDMENT R0008

Wall Types, Sheets 155 and 156, Plates A-600 and A-601

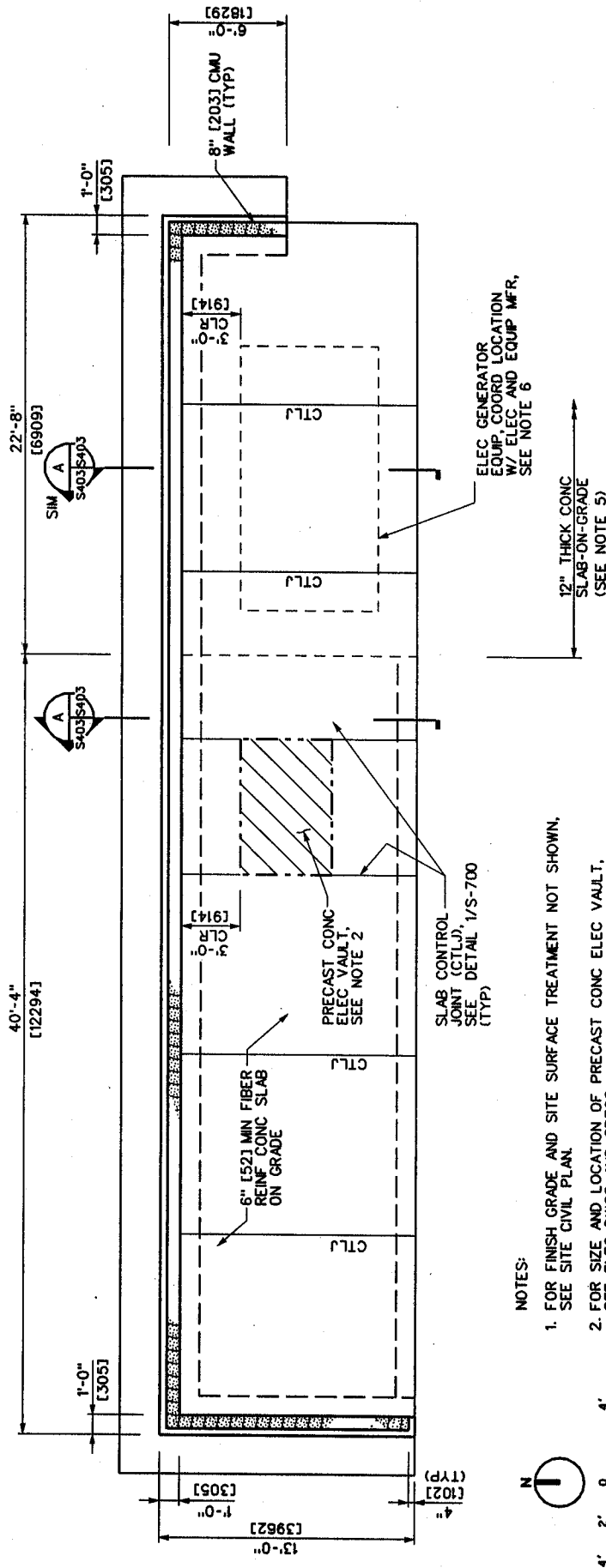
Revise Brick Size in wall types 1, 2, 5, 6, 15 and 16 to be 3-5/8" wide, 2-1/4" high and 8" long.

STANDARD DETAILS BOUND IN THE SPECIFICATIONS

DRAWING NUMBER	SHEET NUMBER	TITLE	DATE
<u>SECTION 01501 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS</u>			
49s/40-05-15	1 & 2	U.S. Army Project Construction Sign	84JUN20
	1	Hard Hat Sign	10SEP90

Attachments follow.

**REVISED
ADDENDUM
No. 2**



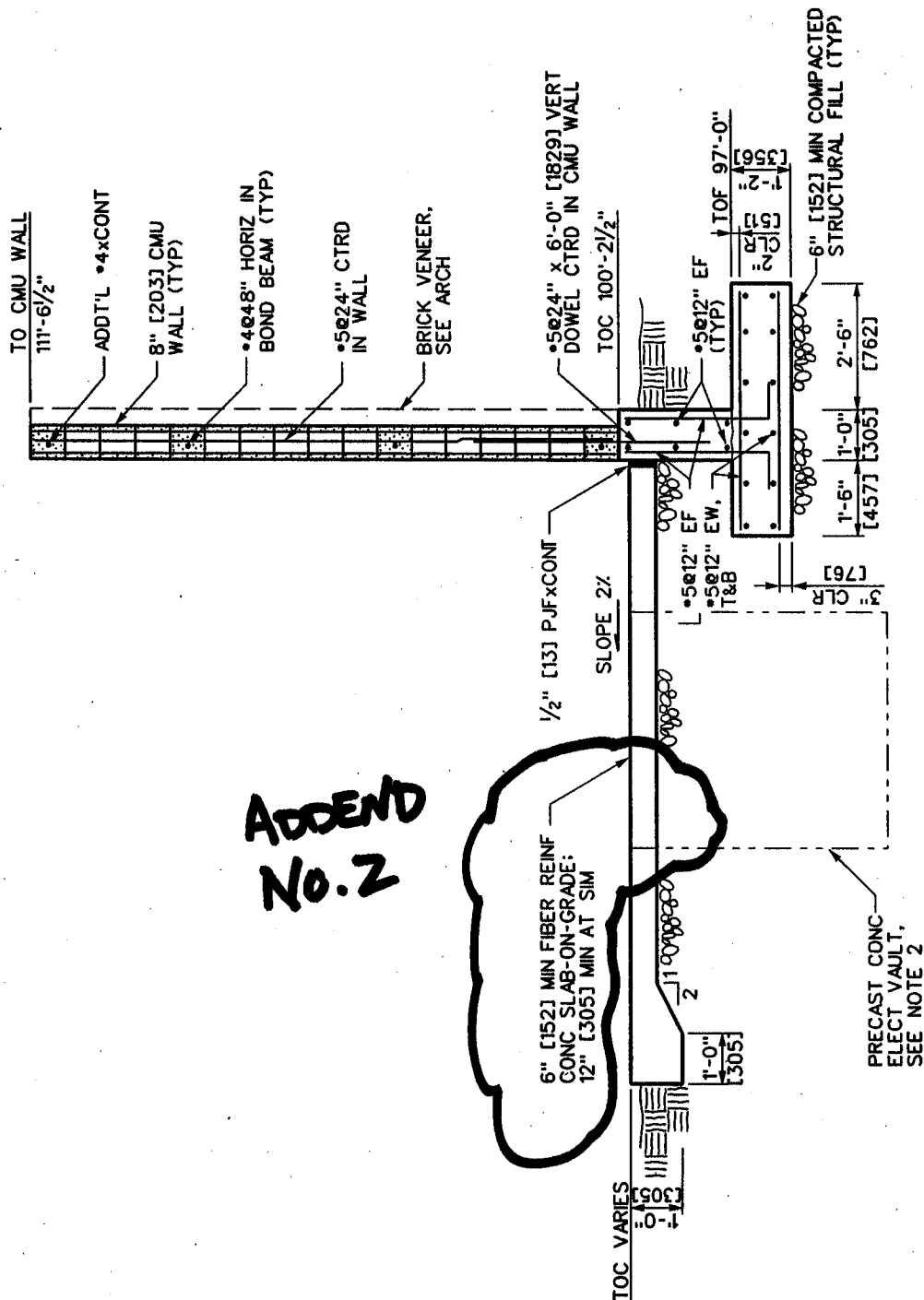
NOTES:

1. FOR FINISH GRADE AND SITE SURFACE TREATMENT NOT SHOWN, SEE SITE CIVIL PLAN.
2. FOR SIZE AND LOCATION OF PRECAST CONC ELEC VAULT, SEE ELEC DWGS AND SPECS.
3. FOR EXTER BRICK VENEER AND PRECAST CONC WALL CAP NOT SHOWN, SEE ARCH.
4. FOR ADDT REIN AT CMU WALL CORNERS/INTERSECTIONS AND WALL OPNGS, SEE DETAILS 1/S-701 AND 2/S-701 RESPECTIVELY.
5. PROVIDE #5@12" REIN EW, T&B IN 12-INCH THICK CONC SLAB ON GRADE, EXTEND REIN 3'-0" INTO 6-INCH CONC SLAB ON GRADE.
6. COORD LOCATION OF ELEC GENERATOR EQUIP WITH ELEC AND EQUIP MFR. EQUIP SHALL BE ANCHORED IN ACCORDANCE WITH EQUIP MFR RECOMMENDATIONS (MIN OF 3/4" DIA CONC ANCHOR AT EA CORNER AND AT 4 FT [1219] O.C. ALONG PERIM).

ELEC TRANSFORMER & GENERATOR ENCLOSURE PLAN
1/4"=1'-0"

SD-1

S-403



**ADDEND
No. 2**

1. NOTES:
FOR BRICK VENEER AND ARCH PRECAST CONC
WALL CAP NOT SHOWN, SEE ARCH.
2. FOR PRECAST CONC ELEC VAULT SIZE AND
DETAILS NOT SHOWN, SEE ELEC DWGS AND
SPECS.
3. FOR TOP OF CONC SLAB ELEVATIONS NOT SHOWN,
SEE CONC CIVIL SITE PLAN.

SECTION
S403/S403 1/2"=1'-0"

SD-2

S-403